



DATE: December 8, 1982

TO: Division File ✓

FROM: Tom Powell - Southern Region

SUBJECT: LPC 11909002 - Madison County - Roxana/SCA-Barton #2  
Pre-Developmental Inspection

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On November 24, 1982, Pat Giordano and this writer conducted the Pre-Developmental inspection at the proposed site. Richard Kogler, representing SCA Services, accompanied us during the inspection. The following report is supplied to the Permit Section for the determination whether the subject site meets the requirements for granting the Developmental Permit.

The 30 acre tract of land for the proposed landfill (formerly known as the Newton tract) has been purchased by SCA on November 15, 1982. The three (3) acre tract just northwest of the proposed site (Heiney tract) has also been recently purchased by SCA. At the present time, no one is residing in this dwelling. Only two (2) residences are being inhabited, adjacent to the site, at this time. The H. L. Brush family is residing in the permanent structure that is shown on the plan sheets bordering the two sites. Located south of the H. L. Brush home is a mobile home occupied by Charlie Madison. Mr. Madison is the caretaker of the property, on which excavation equipment owned by Don Barton Trucking and Excavation is stored. This area along with its buildings are shown on the plan sheets.

During our inspection, it was learned that these three (3) residences all have private wells, however, only the old Heiney residence and the mobile home of Charlie Madison use their wells for potable water. Mr. Madison's well is only a few yards from the proposed boundary, while the Heiney well is approximately 150 feet away. All of the other homes on Cahokia Creek Road have access to potable water supplies through an existing supply network. Considering the proximity of the wells to the northern portion of the site, it may be advisable that as a part of the water monitoring program these three (3) private wells be included, if the Operational Permit is granted. Richard Kogler of SCA stated that they would be willing to run a waterline to the Madison residence, if it were called for in the permit. It may be advisable to include this point in the granting of the Operational permit, when and if that time comes.

At this time, no developmental work has taken place at the site, i.e. monitoring wells, access roads, etc. However, it should be noted that supplemental permit #1981-86 has been issued to the Roxana/SCA-Barton site for the utilization of cover material from the proposed site. As of November 24, 1982, no cover has yet been taken from the proposed site. SCA Services has been instructed that if any cover is taken from the site, it must be done in accordance with the proposed plans for the Barton #2 site.

Considering the proposal that the site will have five (5) separate fill areas, with each fill area being brought to the proposed final elevations before filling begins in the next area, it is advisable that each cell be certified by a licensed P.E. before any filling commences. Certification should include, as a special condition, that the entire fill area(s) elevation be shot and documentation (i.e. plan sheets) forwarded to IEPA before any refuse is deposited so that FOS will have ample time to inspect the excavation work. In fact, by scraping cover at the present site, (SCA Barton) violations have been recorded in the past for exceeding the invert elevations. This point is raised because of the vagueness of the invert levels, and by taking into account the size of the proposed site. Given a specific location anywhere on the site, it is nearly impossible to determine the exact invert elevations with the differences of invert elevations throughout. In summation, more exact controls are needed to prevent overexcavation of the site, consequently certification of each cell is the only viable method. This is a condition that FOS personnel need in order to monitor the site successfully.

Surface water runoff from the agricultural land to the west may pose a problem for the daily operation of the site. Although berms and diversion ditches are mentioned in the application, it would be wise to specifically address this problem to circumvent surface water runoff into the active area. In Fill Areas IV and V (the closest to the residential areas) surface water runoff is very likely to pose a problem for these landowners.

In conclusion, the application seems to adequately address the development and operation of the facility, however, FOS needs a lever to monitor the activity at the site. Specifically, cell certification by a licensed P.E. should be a major concern, as well as the question of the private wells in the vicinity, and the surface water runoff from and onto adjacent properties.

TEP:jlrr

cc: Southern Region  
Bob Mulvey  
Jill Withers

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
PRE-DE INSPECTION REPORT

COUNTY: MADISON

DATE: 11/24/82

SITE NAME: ROXANA ISCA-Barton #2

TIME: From 1:30 Pm  
To 3:30 Pm

INSPECTOR: TOM FOWELL

WEATHER: 40° part. cloudy - very wet

REGIONAL PHONE NUMBER: 618/345-4606

SURROUNDING AREA

1. Land Use (Example; agricultural, residential, industrial, commercial, wooded, ect.)

	Within One Mile	Areas Adjacent to the Site
N	<u>SPARSELY populated / Agricultural</u>	<u>SPARSELY populated / Wooded</u>
E	<u>Wooded</u>	<u>Existing ROXANA/Barton Landfill</u>
S	<u>Wooded / Agricultural</u>	<u>Agricultural</u>
W	<u>Agricultural</u>	<u>Agricultural</u>

2. Nearest residence or building:

a. H.L. Brush residence Distance ≈ 140 feet from eastern boundary  
b. CHARLIE MADISON trailer residence ≈ 20 feet from eastern boundary  
c. HEINEY RESIDENCE - UNOCCUPIED OWNED BY SCA SERVICES ≈ 100 feet from site boundary

3. Total residences or buildings within 1 mile (if practical to do so):

a. Number ≈ 10

b. Description MOST OF THE HOMES ARE LOCATED ON CAHOZIA CREEK ROAD.  
AND HAVE ACCESS TO PUBLIC WATER SUPPLIES.

4. Surface water:

a. Closest body of surface water CAHOZIA CREEK ≈ 200 yds.

b. Types - pond, creek, etc. SEVERAL SMALL FARM PONDS IN THE AREA

c. Flow directions; if applicable Southward

d. Total number of bodies of surface water within 1 mile 1 - CAHOZIA CREEK

5. Wells - distance to and depth; if available:

a. Nearest public water supply Water main parallel w/ Cahokia Creek Road (No. within 1 mile) \_\_\_\_\_

b. Depth, if available N/A

c. Nearest private well CHARLIE MADISON'S TRAILER (if within 1000 feet)

d. Depth, if available N/A

c. cont. HL Brush residence  
HEINEY residence

PE-DE INSPECTION REPORT (Continued)

6. Roads:

	Distance To Site*	Road Surface **	Load Limit (Posted ***)
a. State of Interstate Highways No. _____	<u>N/A</u> yds.	<u>N/A</u>	<u>T</u>
b. County Highways No. <u>2</u>	<u>800</u> yds.	<u>Old Alton-Edwardsville Rd. PAVED Concrete.</u>	<u>T</u>
c. Township Road	<u>50</u> yds.	<u>Cathkin Creek Rd Chip + Tar.</u>	<u>T</u>
d. Other Road	<u>—</u> yds.	<u>—</u>	<u>T</u>
e. Bridge	<u>—</u> yds.	<u>—</u>	<u>T</u>
f. Describe any additional highways, roads or bridges: _____			

7. General characteristics: Rolling Agriculture  
(flat, rolling, pit, etc.)

8. Is the site location description correct? (if NO, explain below) YES OR NO  
YES

9. Do the plans submitted show correctly the existing site topography? (if NO, explain below) YES

10. Are all on-site surface features shown correctly? (if NO, explain below) YES

11. Has any site development or operation take place? (if YES, explain below) NO

12. Is any part of the site within 1-1/2 miles of a municipality? NO

13. Visibility of site to public. (Describe)

Slight visibility - only 4 homes would be able to view operations - ① HEINEY ② HL Brush ③ Charlie Madison ④ Don Barton resident

14. Factual comments of Inspector: - CONCERN ABOUT PROXIMITY OF WELLS AT THE FOLLOWING RESIDENCES. OLD HEINEY RESIDENCE, MR. MADISON'S AND HL BRUSH.

15. Factual comments of Region concerning surface topography and geology within a mile of the site: DUE TO HIGHER ELEVATION TOWARDS THE WEST, SURFACE WATER RUN-OFF MAY BECOME A PROBLEM WHEN OPERATIONS START. - PROXIMITY OF HOMES IN THE NORTHERN PORTION OF PROPOSED SITE - RUNOFF FROM SITE ONTO ADJACENT PROPERTIES MAY BE A PROBLEM

\* If not within 1/4 mile, indicate with N/A

\*\* Asphalt, gravel, etc.

\*\*\* In Spring of the year.

# PRE-DE INSPECTION REPORT

County: Madison

Township: Edwardsville

Date: 11/24/82

Inspector: T. BOWELL

Site Name: ROXANA 7th Berton #2

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



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